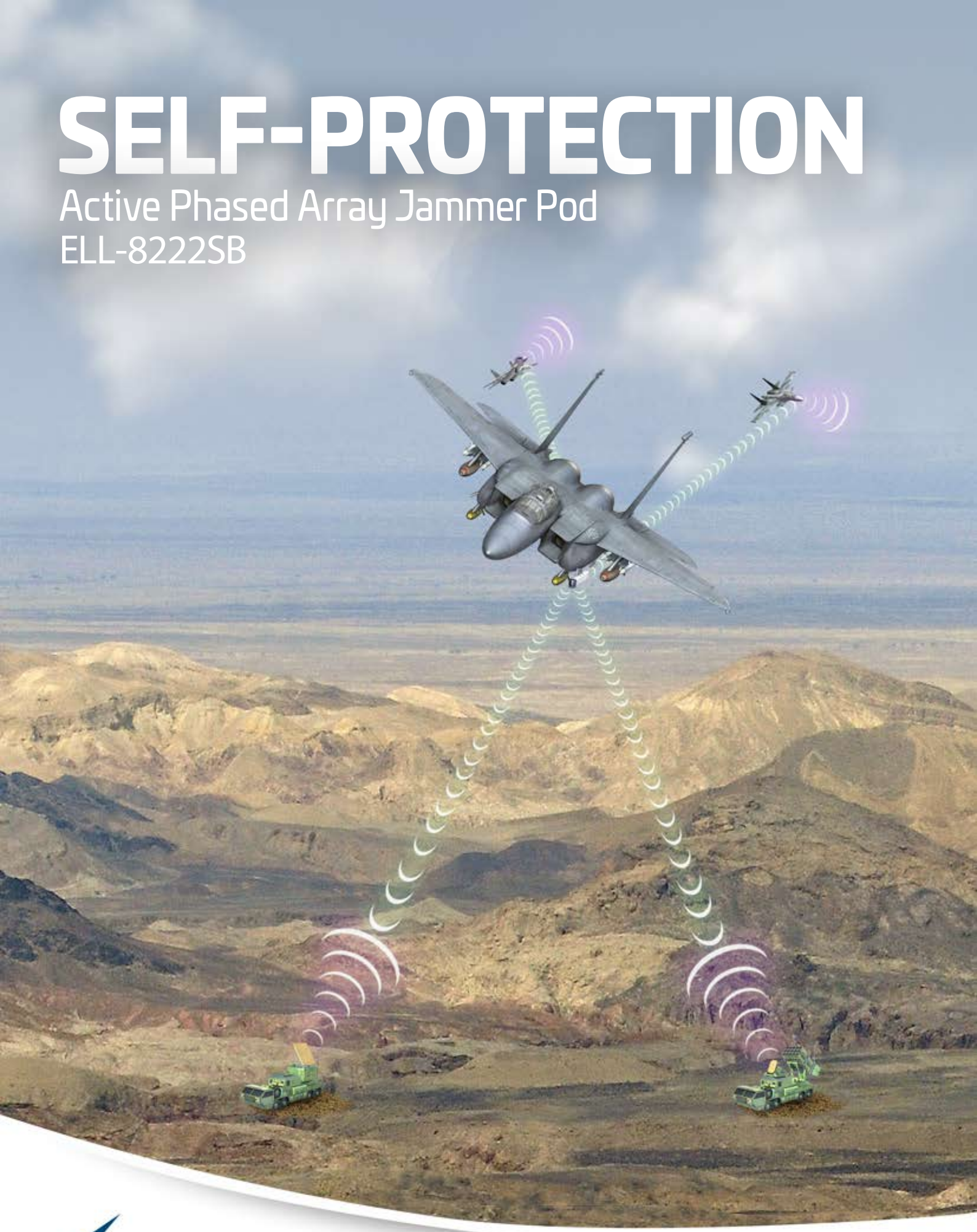
SELF-PROTECTION

Active Phased Array Jammer Pod
ELL-8222SB



IAI

Where Courage Meets Technology

SELF-PROTECTION

Active Phased Array Jammer Pod
ELL-8222SB

General

IAI ELTA's ELL-8222SB Electronic Countermeasure (ECM) pod is an airborne Electronic Warfare (EW) self-protection jammer based on cutting edge Active Phased Array technology. This technology enables high sensitivity target detection and transmission of accurate and narrowly focused high power directional beams, creating the most effective target jamming available today.
The ECM pod utilizes electronically steered jamming technology together with Digital Radio Frequency Memory (DRFM) and a range of sophisticated ECM techniques providing protection against all types of Air-to-Air (A/A) and Surface-to-Air (S/A) threats in dense radar-guided weapons environment.
Based on ELTA's well known, best-selling ELL-8222 pod configuration, this compact, lightweight, and low drag pod is similar in contour to A/A missiles and may be installed on outer wing stations of fighter aircraft as well as on other types of aircraft. The jammer significantly enhances aircraft survivability and mission success in today's modern threat-saturated skies.
IAI-ELTA's ELL-8222SB innovative ECM pod incorporates the most advanced technologies and architecture. The design is based on more than 40 years of ELTA's field proven experience in both EW and RADAR domains, enhanced by ongoing operational feedback.

Main Features

- Spatial receiving and transmitting
- Automatic and autonomous directional ECM response
- Exceptionally high RF sensitivity and effective radiated power (ERP)-
- Simultaneous focused response to multiple emitters from different directions

Operational advantages

- Effective against all types of radars in all modes
- Unique capability to cope effectively with modern threats
- Significant enhancement to the survivability of the crew and aircraft
- Increased prospects of mission success